Working Groups

Instrument Engineering

- ◆ How do calibration and validation requirements impact observatory maneuvers and data collection scheduling?

- ◆ What types of information need to be made available
  - ◆ With products
  - ◆ In the Data Warehouse

- ◆ Calibration of the historical archive to ensure data interoperability

- ◆ Selection of pseudo-invariant sites for data characterization

- ◆ Co-registration of OLI and TIR data

Instrument Engineering

Near Term Issues/Recommendations

- Yaw maneuver
  - Recommend that this be a requirement for instrument/spacecraft/LTAP
- Access to flight hardware (polite request—not requirements creep)
  - Engineering samples of key system components
  - Initial burn-in data on detectors and/or filters? (is this being done?)
- Invitation of LST engineering representatives to critical reviews
- Early and open access to vendor metadata for IAS development
- Thermal Instrument
  - Support necessary engineering to ensure inclusion of thermal instrument is not hindered
  - Instrument registration issues have not been addressed
    - Consider incorporation of a reflective band for this purpose
  - Ensure final data product is transparent to users
    - Hooks need to be in place in ground processing system

Instrument Engineering

LDCM

- Data Gap == Calibration Gap
- Calibration continuity to preserve temporal value of the archive
    - Pseudo-invariant (Desert) Sites likely to be best approach
        - Monitor with L5 & L7
        - Monitor with AWiFS/CBERS other likely instruments
        - Early acquisition with LDCM
    - Cross-cal of L5/L7 to likely gap fill instruments (AWiFS/CBERS/etc)
- Encourage development of metadata to support early Landsat archive
    - L7 IAS → L5/L4 TMIAS → MSS-IAS
    - Make sure access is provided to key instrument health data ('web-enabled')